

FORM PTO-1449 (REV 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 200125.401	APPLICATION NO 09/788,626
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS		Andrew J. Flint and Deborah E. Cool	
		FILING DATE		GROUP ART UNIT 1741 1652	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
YJ	AA	5,912,138	06/15/99	Tonks et al.	435	21	
YJ	AB	5,951,979	09/14/99	Tonks et al.	424	94.6	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
YJ	AC	WO 97/39326	10/23/97	WIPO		
YJ	AD	WO 98/04712	02/05/98	WIPO		
YJ	AE	WO 98/18956	05/07/98	WIPO		
YJ	AF	WO 98/20024	05/14/98	WIPO		
YJ	AG	WO 98/20156	05/14/98	WIPO		
YJ	AH	WO 99/29894	06/17/99	WIPO		
YJ	AI	WO 00/75339	12/14/00	WIPO		

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

YJ	AJ	Black et al., "Identification of an amino-terminal substrate-binding domain in the <i>Yersinia</i> tyrosine phosphatase that is required for efficient recognition of focal adhesion targets," <i>Molecular Microbiology</i> 29(5):1263-1274, 1998.
YJ	AK	Cho et al., "Catalytic domains of the LAR and CD45 protein tyrosine phosphatases from <i>Escherichia coli</i> expression systems: purification and characterization for specificity and mechanism," <i>Biochemistry</i> 31(1):133-138, 1992.
YJ	AL	Cho et al., "Substrate specificities of catalytic fragments of protein tyrosine phosphatases (HPT $\beta$ , LAR, and CD45) toward phosphotyrosylpeptide substrates and thiophosphotyrosylated peptides as inhibitors," <i>Protein Science</i> 2(6):977-984, 1993.
YJ	AM	Dandliker and de Saussure, "Fluorescence polarization in immunochemistry," <i>Immunochemistry</i> 7:799-828, 1970.
YJ	AN	Dechert et al., "Comparison of the specificity of bacterially expressed cytoplasmic protein-tyrosine phosphatases SHP and SH-PTP2 towards synthetic phosphopeptide substrates," <i>Eur. J. Biochem.</i> 231(3):673-681, 1995.
YJ	AO	Eck et al., "Recognition of a high-affinity phosphotyrosyl peptide by the Src homology-2 domain of p56 <sup>lck</sup> ," <i>Nature</i> 362(6415):87-91, March 4, 1993.

EXAMINER *YJ* DATE CONSIDERED 7.31.02

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)

FORM PTO-1449 (REV 7-80)	JUN 28 2001	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 200125.401	APPLICATION NO. 09/788,626
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANTS	Andrew J. Flint and Deborah E. Cool	
		FILING DATE	GROUP ART UNIT 1741/657	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES      NO
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**OTHER PRIOR ART** (*Including Author, Title, Date, Pertinent Pages, Etc.*)

YR	BA	Eck et al., "Structure of the IRS-1 PTB domain bound to the juxtamembrane region of the insulin receptor," <i>Cell</i> 85(5):695-705, May 31, 1996.
YR	BB	Flint et al., "Development of 'substrate-trapping' mutants to identify physiological substrates of protein tyrosine phosphatases," <i>Proc. Natl. Acad. Sci. USA</i> 94:1680-1685, March 1997.
YR	BC	Flint et al., "Multi-site phosphorylation of the protein tyrosine phosphatase, PTP1B: identification of cell cycle regulated and phorbol ester stimulated sites of phosphorylation," <i>The EMBO J.</i> 12(5):1937-1946, 1993.
YR	BD	Gottlin et al., "Kinetic analysis of the catalytic domain of human cdc25B," <i>The Journal of Biological Chemistry</i> 271(44):27445-27449, November 1, 1996.
YR	BE	Huyer et al., "Mechanism of inhibition of protein-tyrosine phosphatases by vanadate and pervanadate," <i>The Journal of Biological Chemistry</i> 272(2):843-851, January 10, 1997.
YR	BF	Jia et al., "Structural basis for phosphotyrosine peptide recognition by protein tyrosine phosphatase 1B," <i>Science</i> 268(5218):1754-1758, June 23, 1995.
YR	BG	Levine et al., "Measurement of specific protease activity utilizing fluorescence polarization," <i>Analytical Biochemistry</i> 247(1):83-88, April 5, 1997.
YR	BH	Lundblad et al., "Fluorescence polarization analysis of protein-DNA and protein-protein interactions," <i>Molecular Endocrinology</i> 10(6):607-612, June 1996.
YR	BI	Marengere et al., "SH2 domain specificity and activity modified by a single residue," <i>Nature</i> 369(6480):502-505, June 9, 1994.
YR	BJ	Marth et al., "A lymphocyte-specific protein-tyrosine kinase gene is rearranged and overexpressed in the murine T cell lymphoma LSTRA," <i>Cell</i> 43(2 Pt 1):393-404, December 1985.
YR	BK	Meng et al., "Structure of the amino-terminal domain of Cbl complexed to its binding site on ZAP-70 kinase," <i>Nature</i> 398(6722):84-90, March 4, 1999.

EXAMINER	<i>Ch</i>	DATE CONSIDERED	7.31.02
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<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>		APPLICANTS	Andrew J. Flint and Deborah E. Cool	
		FILING DATE	GROUP ART UNIT 1741 / 657	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
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**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
				YES NO

**OTHER PRIOR ART** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

GJ	CA	Ng et al., "Non-radioactive method to measure CD45 protein tyrosine phosphatase activity isolated directly from cells," <i>Journal of Immunological Methods</i> 179(2):177-185, February 27, 1994.
GP	CB	Ruzzene et al., "Specificity of T-cell protein tyrosine phosphatase toward phosphorylated synthetic peptides," <i>Eur. J. Biochem.</i> 211(1-2):289-295, January 15, 1993.
GM	CC	Songyang et al., "Catalytic specificity of protein-tyrosine kinases is critical for selective signalling," <i>Nature</i> 373(6514):536-539, February 9, 1995.
GP	CD	Songyang et al., "SH2 domains recognize specific phosphopeptide sequences," <i>Cell</i> 72(5):767-778, March 12, 1993.
GP	CE	Sun et al., "MKP-1 (3CH134), an immediate early gene product, is a dual specificity phosphatase that dephosphorylates MAP kinase in vivo," <i>Cell</i> 75(3):487-493, November 5, 1993.
GP	CF	Tiganis et al., "Epidermal growth factor receptor and the adaptor protein p52 <sup>Shc</sup> are specific substrates of T-cell protein tyrosine phosphatase," <i>Molecular and Cellular Biology</i> 18(3):1622-1634, March 1998.
GP	CG	Waksman et al., "Crystal structure of the phosphotyrosine recognition domain SH2 of v-src complexed with tyrosine-phosphorylated peptides," <i>Nature</i> 358(6388):646-653, August 20, 1992.
GP	CH	Zhang et al., "Identification of the cell cycle regulator VCP (p97/CDC48) as a substrate of the band 4.1-related protein-tyrosine phosphatase PTPH1," <i>The Journal of Biological Chemistry</i> 274(25):17806-17812, June 18, 1999.
GP	CI	Zhang et al., "Protein tyrosine phosphatase substrate specificity: size and phosphotyrosine positioning requirements in peptide substrates," <i>Biochemistry</i> 33(8):2285-2290, March 1, 1994.
GP	CJ	Zhou et al., "Solution structure of the Shc SH2 domain complexed with a tyrosine-phosphorylated peptide from the T-cell receptor," <i>Proc. Natl. Acad. Sci.</i> 92:7784-7788, August 1995.
	CK	

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*[Signature]*

DATE CONSIDERED

7.31.02

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FORM PTO-1449 (REV 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 200125.401	APPLICATION NO. 09/788,626
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>		APPLICANTS Andrew J. Flint and Deborah E. Cool	
		FILING DATE February 13, 2001	GROUP ART UNIT 1741 1652 JAN 8 2002

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Gv	AA 5,858,686	01/12/99	Schlessinger et al.	435	7.8	JAN 8 2002
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
AI					
AJ					
AK					
AL					
AM					

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

Gv	AN	Babcock et al., "Automated Nonisotopic Assay for Protein-Tyrosine Kinase and Protein-Tyrosine Phosphatase Activities," <i>Analytical Biochemistry</i> 196(2):245-251, August 1, 1991.
Gv	AO	Zhang et al., "Suramin is an Active Site-directed, Reversible, and Tight-binding Inhibitor of Protein-tirosine Phosphatases," <i>J. Biological Chemistry</i> 273(20):12281-12287, May 15, 1998.
	AP	

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